

# Series 3 Technician's Installation and Service Training Manual

## Chamberlain 312HM Receiver Installation and Wiring Instruction



**Warning Electrical Shock Hazard**  
 To prevent serious injury or death always ensure power is disconnected when wiring anything into the ZAP Controller.

**Materials required**  
 Chamberlain 312HM receiver, appropriate Chamberlain transmitter, 16-20 awg 3 conductor cable.

**Tools required**  
 Small technicians slotted screwdriver

Isolate the power supply before wiring any device into a ZAP Controller.

It is not feasible to mount the Chamberlain 312HM receiver inside the case lid of the ZAP Controller. It will need to be mounted outside the enclosure of the ZAP controller case.

All wiring for the radio receiver onto the ZAP control board is connected to the radio wiring connections as indicated in (Figure A) and highlighted in red.

It will be necessary to place a jumper wire between terminals 1 and 3 of the 312HM receiver. (Figure B)

Terminal 1 (Common) on the Chamberlain receiver (Figure B) is wired and terminated into the 0V connection on TB9. (Figure C)

If cyclic operation by radio control is desired, terminal 4 (Relay) on the Chamberlain receiver (Figure B) is wired and terminated into the Radio connection on TB9. (Figure D)

If only an open function is required (If use of the auto-close timer is employed, it is recommended that only the open be used), wire terminal 4 of the Chamberlain receiver (Figure B) to the open connection on TB3. (Figure E)

Wire terminal 2 (Radio Power) of the Chamberlain receiver (Figure B) to the 24V Power supply, labeled 24V on TB9. (Figure F)

Inside the receiver, move the output duration jumper from P2 and M to P2 and C. (Figure G)

Restore the power supply and program your receiver per the radio control manufacturer's instructions.

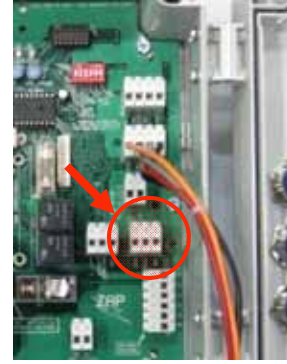


Figure A

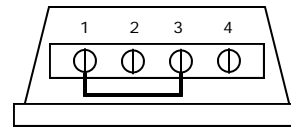


Figure B

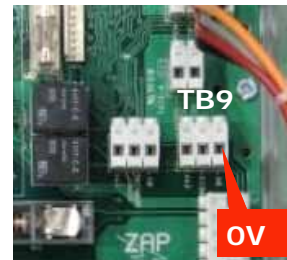


Figure C

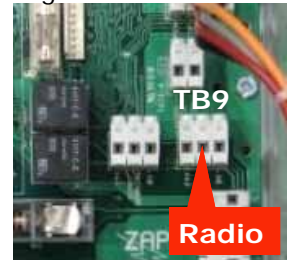


Figure D

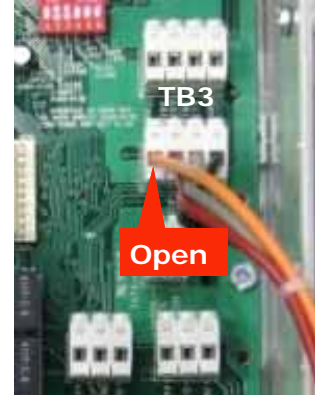


Figure E

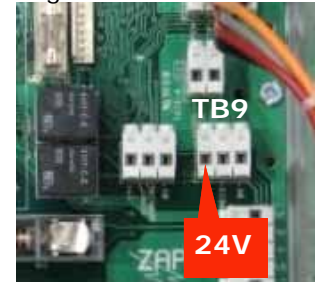


Figure F

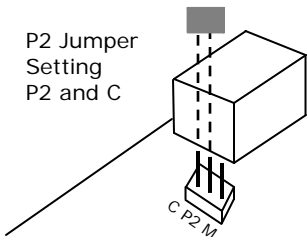


Figure G

### ZAP Series 3 Simply Logical

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